ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS AS WELL AS:

ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS ADOPTED JANUARY 1, 2007.

ILLINOIS DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2007.

ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (LATEST EDITION IN EFFECT ON THE DATE OF INVITATION FOR BIDS).

- 2. THE CONTRACTOR SHALL MAINTAIN A SET OF CONSTRUCTION RECORD DRAWINGS
 NOTING ALL CHANGES TO THE PLANS AND THE LOCATION AND DEPTH OF ALL
 UNDERGROUND UTILITIES ENCOUNTERED. A MYLAR REPRODUCIBLE AS-BUILT
 DRAWING AND TWO (2) PAPER SETS MUST BE SUBMITTED TO THE DEPARTMENT
 OF ENGINEERING FOR REVIEW AND APPROVAL UPON COMPLETION OF THE PROJECT.
- 3. NOMINAL QUANTITIES FOR THE FOLLOWING PAY ITEMS HAVE BEEN INCLUDED IN THE PLANS AND SHALL BE UTILIZED AS DIRECTED BY THE ENGINEER:

EXPLORATION TRENCH, SPECIAL TREE PRUNING (1 TO 10 INCH DIAMETER) 25 F00T 20 EACH 30 EACH

TREE PRUNING (OVER INCH DIAMETER)

- 4. WITHIN THIRTY (30) DAYS AFTER THE CONTRACT IS SIGNED AND BEFORE ANY WORK IS AUTHORIZED BY THE ENGINEER, THE CONTRACTOR SHALL SUBMIT MANUFACTURER'S LITERATURE PERTAINING TO LIGHTING WORK FOR THE ELECTRICAL ENGINEER'S REVIEW AND APPROVAL.
- 5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LUMINAIRES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER AT THE PRE-CONSTRUCTION INSPECTION.
- 6. THE ENGINEER SHALL APPROVE THE LOCATIONS OF ALL PUSH PITS.
- 7. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO ARTICLE 801.04 OF THE STANDARD SPECIFICATIONS REGARDING THE PROPOSED LOCATIONS OF THE LIGHTING SYSTEM. ADDITIONALLY, THE UNIT DUCT ROUTING SHOWN ON THE PLANS IS MAINLY INTENDED TO SHOW ELECTRICAL CIRCUITRY. AN EFFORT HAS BEEN MADE TO AVOID UTILITY CONFLICTS BUT THE EXACT LOCATION OF ELECTRICAL CABLES AND CONDUITS SHOULD BE APPROVED BY THE ENGINEER AFTER THE UNDERGROUND UTILITIES HAVE BEEN LOCATED BY THEIR OWNERS. QUANTITIES SHOWN FOR UNIT DUCT AND CONDUIT SHALL BE CONFIRMED IN THE FIELD. THE ENGINEER SHALL APPROVE THE LOCATIONS OF ALL PUSH PITS.
- 8. THE CONTRACTOR SHALL KEEP DEVIATIONS FROM THE UNIT DUCT ROUTING SHOWN ON THE PLANS TO A MINIMUM. MAJOR DEVIATIONS SHALL BE REPORTED TO AND APPROVED BY THE ENGINEER BEFORE INSTALLATION.

- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENT FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "TRENCH AND BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS. AS APPLICABLE.
- 10. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
- 11. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR SPLICING ELECTRICAL CABLE. SEE "GENERAL ELECTRICAL REQUIREMENTS" AND SPLICING DETAIL ON SHEET 10 .
- 12. THE CONTRACTOR SHALL MAKE NOTE OF THE REQUIREMENTS FOR GROUNDING.
 - A. GROUNDING CONNECTIONS AT THE FOUNDATION STEEL AND AT THE GROUND ROD SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO POURING CONCRETE OR BACKFILLING, AS APPLICABLE.
 - B. EQUIPMENT GROUND CONDUCTORS (GREEN COLOR CODED) SHALL BE SPLICED AND PIGTAILED TO EACH METALLIC JUNCTION/PULL BOX THEY PASS THROUGH AS WELL AS AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT. THE CONNECTION SHALL UTLIZE ULL LISTED CLAMPS, PRESSURE CONNECTORS, OR OTHER ULL.
 - C. METALLIC JUNCTION/PULL BOXES SHALL BE EQUIPPED FOR THE GROUNDING WIRE TERMINATIONS WITHOUT DEGRADATION OF NEMA BOX RATING.
- 13. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- 14. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS INCLUDED IN THESE PLANS.
- 15. ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT THREE

REVIEWED BY:

DISTRICT STUDIES & PLANS ENGINEER

DATE:

12.21.06

EXAMINED BY:

Herb (DISTRICT CONSCRUCTION ENGINEER

DISTRICT OPERATIONS ENGINEER

20101350 TREE PRUNING (OVER 10 INCH DIAMETER) EACH 3Ø 21300010 EXPLORATION TRENCH, SPECIAL FOOT 25 67100100 MOBILIZATION L SUM TRAFFIC CONTROL AND PROTECTION, STANDARD 701502 70102622 L SUM TRAFFIC CONTROL AND PROTECTION, STANDARD 701606 70102625 L SUM TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 70102635 I. SUM 80400100 ELECTRIC SERVICE INSTALLATION FACH 81000600 CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL FOOT 3Ø 81Ø187ØØ CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL FOOT 800 CONDUIT ATTACHED TO STRUCTURE, 3" DIA., 81100800 FOOT 250 GALVANIZED STEEL JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12 " X 8" 81300810 EACH 2 50200400 ROCK EXCAVATION FOR STRUCTURES CUYD 81900200 TRENCH AND BACKFILL FOR ELECTRICAL WORK FOOT 5575 LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 821Ø24ØØ FACH 39 LIGHTING CONTROLLER TYPE CB-RCS 100AMP - 480VOLT 82500540 FACH LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. MAST 83009600 EACH 39 83600300 LIGHT POLE FOUNDATION, 30" DIAMETER FOOT 312 BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT 838ØØ2Ø5 EACH 39 CIRCLE XØ324845 REMOVE AND REINSTALL LIGHT POLE, COUPLINGS EACH 216 XXØØ6392 CLASS D PATCHES, 6" (SPECIAL) SO YD 250 UNIT DUCT WITH 2-1/C NO. 6 AND 1/C NO. GROUND, 600V (XLP-TYPE USE), 1 1/4" DI AMETER X8160176 FOOT 3450 POLYETHYLENE UNIT DUCT WITH 2-1/C NO. 4 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE), 1 1/4" DI AMETER X816Ø175 FOOT 3500

REVISIONS

DATE

SFTY-3C

CODE

20101300

PAY ITEM

TREE PRUNING (1 TO 10 INCH DIAMETER)

URBAN - LASALLE CO. (BOXFED. ZOX ST.) Y030-1E (STP FUNDS)

POLYETHYLENE

Ciorba Group, Inc. ONSULTING ENGINEERS 907 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 91. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

ILLINOIS DEPARTMENT OF TRANSPORTATION U.S. ROUTE 6 (SPRING VALLEY) LIGHTING

> GENERAL NOTES AND SUMMARY OF QUANTITIES

SCALE: NONE DATE: DEC. 2006

DRAWN BY: MLB CHECKED BY: JMV

BUREAU + TOTAL SHEETS NO.

TO STA. FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT (HETP FUNDS) BUREAU CO.

Y030-JE

UNIT QUANTITY

90% FED/IOX ST.

20

SECTION 5605 (TX-1, 17) STA.

EACH